

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :  A61F 5/02	A1	(11) International Publication Number: WO 00/66047  (43) International Publication Date: 9 November 2000 (09.11.00)
(21) International Application Number: PCT/SE00/00727		(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
(22) International Filing Date: 17 April 2000 (17.04.00)		
(30) Priority Data: 9901556.2 30 April 1999 (30.04.99) SE		
(71) Applicant (for all designated States except US): CAMP SCAN-DINAVIA AB [SE/SE]; Karbingatan 38, S-254 67 Helsingborg (SE).		
(71) Applicant (for US only): WILLNER, Eva (heiress of the deceased inventor) [SE/SE]; Remontgatan 50, S-212 35 Malmö (SE).		Published With international search report.
(72) Inventor: WILLNER, Stig (deceased).		
(72) Inventor; and		
(75) Inventor/Applicant (for US only): SMITS, Jan, F., A. [NL/NL]; Holterbergweide 26, NL-5709 MP Helmond (NL).		
(74) Agents: ÅKERMAN, Mårten et al.; Albihns Patentbyrå Malmö AB, P.O. Box 4289, S-203 14 Malmö (SE).		

## (54) Title: ADJUSTABLE SPINAL BRACE

## (57) Abstract

The invention relates to an adjustable spinal brace, which is multi-adjustable for conservative treatment of low back pain. The brace comprises an anterior abdominal pad (7) and a posterior frame (1) interconnected by a connection means. In accordance with the invention, the connection means comprises lateral iliac rolls (3) to be positioned at the top of the pelvis bone (crista iliaca) and straps (4) to be connected to the anterior abdominal pad (7). The posterior frame has a lumbar pad (2) provided with pressure setting means (8) for adjusting the applied pressure. The spinal brace is adjustable to enable an accurate magnitude and position of the pressure to correct the curvature of the spine, especially in the lumbar area. At the same time, the design of the brace is open at the lateral sides, which allows for lateral bending and normal movement of arms and legs.

